

Christian Sandvig
Short *Curriculum Vita*
1 September 2017

Professor

School of Information

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EDUCATION

- Ph.D., **Communication**, Stanford University, January 2002.
- M.A., **Communication**, Stanford University, December 1999.
- B.A. *summa cum laude*, **Communication**, University of California, Davis, March 1997.

ACADEMIC EMPLOYMENT

- 2012- **Professor** (2016-) and previously **Associate Professor** (2012-16), Information; Communication Studies; Art & Design; Science, Technology, and Society; Digital Studies; and Center for Political Studies; **University of Michigan, Ann Arbor**.
- 2008-2012 Founder and **Co-Director**, Center for People & Infrastructures. **Associate Professor**, Communication; Coordinated Science; Informatics; Science and Technology Studies; Library and Information Science; Media/Cinema Studies; **University of Illinois at Urbana-Champaign**.
- 2002-2008 **Assistant Professor**, Communication, **University of Illinois at Urbana-Champaign**.
- 2001-2002 Markle Foundation Information Policy Fellow, Centre for Socio-Legal Studies, **Oxford University**.

VISITING/EXTERNAL APPOINTMENTS (last 10 years only)

- 2012- External Faculty, Center for People & Infrastructures, **University of Illinois**
- 2010- Consulting Researcher, **Microsoft Research**, Cambridge, MA
- 2009-15 Faculty Associate, Berkman Center for Internet & Society, **Harvard University**
- 2009-10 Visiting Scholar, Sloan School of Management, **MIT**
- 2009 Visiting Scholar, Communication, **McGill University**
- 2008 Visiting Associate Professor, **Intel Research**, Portland, OR

RECENT RESEARCH GRANTS (last 10 years only)

- 2016-2019 Principal Investigator. "CHS: Medium: Collaborative Research: Beyond the Black Box: Understanding and Designing for User Expectations of Algorithmic Media." US National Science Foundation, (#IIS-1564079 & #IIS-1564041, total \$1,199,225).
- 2012-2014 Principal Investigator. "What Your Infrastructure Wants: Developing the Missing Human-Infrastructure Interface." **Interdisciplinary Innovation Initiative**, University of Illinois at Urbana-Champaign. (\$198,902).
- 2012-2014 Co-Principal Investigator. "A Theory of Cognitive and Algorithmic Decision Making." College of Engineering **Strategic Research Initiative**, University of Illinois at Urbana-Champaign (\$200,000).

2006-2011 Principal Investigator. "Predicting the Development of Decentralized Communication Systems." US **National Science Foundation**, Faculty Early Career Development Award (NSF CAREER). (\$406,090).

INVITED LECTURES (selected)

Yale Law School, Harvard Business School, MIT Media Lab, MIT Sloan School, Columbia University, Wharton School of Business, University of Toronto, Cambridge University, University of Wales, University of Sydney, Central European University, Peking University, Society for the Social Studies of Science (invited session), SXSW Interactive, Association for Internet Research (invited plenary session).

PRESS MENTIONS/INTERVIEWS/QUOTES (selected)

The New York Times, The Washington Post, The Economist, National Public Radio, The New Yorker, Slate, The Atlantic, The Nation, CBS News, BusinessWeek, Wired, BBC Radio, CBC Radio, RTE Radio (Ireland), Radio National (Australia), Le Monde

CITATIONS BY/TESTIMONY TO/CONSULTING TO GOVERNMENT (selected)

Ministry of Information, Communication, and the Arts, Singapore; National Telecommunications Commission, Thailand; Telecommunications Regulatory Authority of India; Federal Communications Commission, USA; OfCom, UK; European Commission; City and County of San Francisco, USA; City of Philadelphia, USA.

PUBLICATIONS

IN PROGRESS

Sandvig, C. (under advance contract). *Corrupt Personalization: Algorithmic Culture in Media and Computing*. New Haven: Yale University Press.

EDITED BOOK

Hargittai, E. & Sandvig, C. (eds.) (in press). *Digital Research Confidential: The Secrets of Studying Behavior Online*. Cambridge, MIT Press.

PEER-REVIEWED (last 5)

Sandvig, C., Hamilton, K., Karahalios, K., & Langbort, C. (forthcoming). **Auditing Algorithms: A Research Method for Detecting Discrimination on Internet Platforms**. *Computational Culture*.

Plantin, J.-C., Lagoze, C., Edwards, P. N., & Sandvig, C. (forthcoming). **Infrastructure studies meet platform studies in the age of Google and Facebook**. *New Media & Society*.

Sandvig, C., Hamilton, K., Karahalios, K., & Langbort, C. (2016). **When the Algorithm Itself is a Racist: Diagnosing Ethical Harm in the Basic Components of Software**. *International Journal of Communication* 10: 4972-4990.

Eslami, M., Karahalios, K., Sandvig, C., Vaccaro, K., Rickman, A., Hamilton, K., & Kirlik, A. (2016). **First I "like" it, then I hide it: Folk Theories of Social Feeds**. Proc. ACM CHI: 2371-2382.

Eslami, M., Rickman, A., Vaccaro, K., Aleyasen, A., Vuong, A., Karahalios, K., Hamilton, K., & Sandvig, C. (2015). **"I always assumed that I wasn't really that close to [her]": Reasoning about invisible algorithms in the news feed**. Proc. ACM CH: 153-162. (awarded best paper.)

BOOK CHAPTERS (last 5)

Plantin, J.-C., Lagoze, C., Edwards, P. N., & Sandvig, C. (2017). **Big data are not about size: when data transform scholarship.** In: Clément Mabi, Jean-Christophe Plantin, & Laurence Monnoyer-Smith (eds.), *Open, Share, Reuse: Critical views on digital data / Ouvrir, Partager, Réutiliser: Regards critiques sur les données numériques*. Paris: Éditions de la Maison des sciences de l'homme.

Sandvig, C. (2015). **The Internet as the Anti-Television: Distribution Infrastructure as Culture and Power.** In: L. Parks and N. Starosielski (eds.), *Signal Traffic: Critical Studies of Media Infrastructures*, pp. 225-245. Chicago: University of Illinois Press. (Best Edited Collection Award, Society for Cinema and Media Studies [SCMS], 2015-2016)

Sandvig, C. & Hargittai, E. (2015). **How to Think About Digital Research.** In: Hargittai, E. & Sandvig, C. (eds.), *Digital Research Confidential*, pp. 1-27. Cambridge: MIT Press.

Sandvig, C., Hamilton, K., Karahalios, K., & Langbort, C. (2014). **An Algorithm Audit.** In: Seeta Peña Gangadharan (ed.), *Data and Discrimination: Collected Essays*, pp. 6-10. Washington, DC: New America Foundation. (invited.)

Sandvig, C. (2013). **The Internet as Infrastructure.** In: W. Dutton (ed.), *The Oxford Handbook of Internet Studies*, pp. 86-107. Oxford: Oxford University Press. (invited.)

REFEREED CONFERENCE PAPERS (last 5)

Sandvig, C. (2016, June). **Corrupt Personalization – Theorizing Adversarial Human-Computer Interaction.** Paper presented to the 66th annual meeting of the International Communication Association, Fukuoka, Japan.

Sandvig, C. (2016, May). **Glass Boxing: Diagnosing and Responding to Algorithmic Harms.** Paper presented to “Data and Society 2016” (academic track), New York, NY, USA.

Plantin, J., Edwards, P., Lagoze, C., & Sandvig, C. (2015, November). **Splintering Data Infrastructures in Social Science: The Rise of Platforms?** Paper presented to the annual meeting of the Association for the Social Studies of Science (4S). Denver, Colorado, USA.

Stevenson, D., & Sandvig, C. (2015, June). **Evidence of Contextual Integrity for Personal Information Use in Targeted Online Advertising.** Paper presented to 2015 American Marketing Association (AMA) Marketing and Public Policy Conference, Washington, DC, USA.

Eslami, M., Rickman, A., Vaccaro, K., Aleyasen, A., Karahalios, K., Hamilton, K., & Sandvig, C. (2015, June). **Exposure to the Invisible: Reasoning About Hidden Algorithms in the News Feed.** Poster presented to the International Conference on Computational Social Science (IC2S2), Helsinki, Finland.

RELEVANT SERVICE

Program Committees, (selected): Conference on Communications, Information and Internet Policy (TPRC), ICWSM (Steering Committee, Program Co-Chair), CSCW (Associate Chair), FAT* (Track Co-Chair), ACM WebSci, IEEE ISTAS, IEEE DySpan
 Editorial Boards, (selected): *J. Information Policy*, *Human Communications Research*, *Info: The J. of Policy, Regulation, and Strategy for Telecommunications*, *The Information Society* (Associate Editor), *Proc. ACM Human-Computer Interaction* (Associate Chair).